



Indian Institute of Technology (Indian School of Mines), Dhanbad
The Office of Dean, Research & Development

Sanction No and Date: Letter No. ANRF/ARG/2025/001897/ENS dated 28 May, 2026	IIT (ISM) Project No.: SRDP 1319 G	Date: 03.08.2026
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JRF position under ANRF Sponsored Project

Applications are invited under the sponsored project. The details of the project are as under:

Position	ANRF-JRF
Number of Position (s)	ONE
Title of The Project	Model-Guided Deep Beneficiation of High-Ash Indian Coal below 15% Ash via Dense Medium Separation with Pre-Treatment of Near-Density Materials
Principal Investigator	Dr. Chandan Guria Professor, Petroleum Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad-826 004, Jharkhand. Email: cguria@iitism.ac.in , Mobile: 9431326774
Co- Principal Investigators	1. Dr. Anand Anupam Assistant Professor, Fuel Mineral and Metallurgical Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad-826 004, Jharkhand. E-mail: anand@iitism.ac.in 2. Dr. Laldeep Gope Technical Officer, Petroleum Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad-826 004, Jharkhand. E-mail: laldeep@iitism.ac.in
Tenure of Project	Initially for one year (can be extended up to three years/completion of the project). Ph.D. Opportunity: The selected candidate may be allowed to register for the Ph.D. program at IIT (ISM) Dhanbad as per Institute rules. The position may be converted into a regular Institute JRF if the candidate is admitted to the Ph.D. program.
Job Description	1. Feed characterization by using Float and Sink Test. 2. Pre-treatment of near-density material (NDM)-rich high-ash coking/semi-coking coal using physical and physico-chemical techniques to enhance coal-mineral liberation. 3. Operation and optimization of Dense Medium Cyclone (DMC) systems for deep beneficiation of Indian high-ash coal to achieve clean coal with less than 15% ash and maximum combustible recovery.
Essential Qualification	B.E./B.Tech/M.E./M.Tech in Petroleum Engineering/Chemical Engineering/Fuel and Mineral Engineering with 6.5 CGPA or 60% marks from any recognized Institute /University. Candidate must be GATE or NET qualified.
Desirable Qualification	Outstanding candidates with good academic records and hands-on experience or knowledge in (i) coal characterization, (ii) mineral liberation studies, (iii) washability analysis, and (iv) coal beneficiation techniques will be preferred.
Age and Relaxation (if any)	There is no upper age limit for applying to this position. In accordance with the norms of the Host Institute, IIT (ISM) Dhanbad, candidates fulfilling the prescribed educational qualifications are eligible to apply.
Fellowship	Rs. 37,000/- per month for the first two years and Rs. 42,000/- per month during the third year, subject to successful external assessment by the designated committee. No HRA shall be admissible under this project.
Last Date & Time	16 th August, 2026, 11.00 pm
Tentative Date of Interview	17 th August, 2026, 10.00 am (Offline)

How to Apply: Interested candidates should email a single PDF [containing (i) CV, (ii) GATE/NET score card, (iii) copies of all marksheets and certificates starting from 10th class, (iv) proof of work experience (if any)] to PI cguria@iitism.ac.in on or before 16th August, 2026, 11.00 pm. Candidates should write “**Application for JRF position in ANRF Project**” in the subject of the email.

Shortlisted candidates will be informed via email for interview. No TA/DA will be paid to attend the interview. Mere possession of minimum qualification does not guarantee an invitation to the interview.



**Principal Investigator
(Dr. Chandan Guria)**